

(c) reconfiguring the grouping of radios based on the communication connection statistic gathered in step (b).

2. (Original) A method as defined in claim 1, further comprising the step of:

(d) allowing access to the radio communication system based on the grouping of the radios.

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3. (Currently amended) A method as defined in claim 1, wherein the communication connection statistic gathered in step (b) comprises the average channel usage by each of the plurality of radios.

4. (Currently Amended) A method as defined in claim 1, wherein the communication connection statistic gathered in step (b) comprises the number of channel accesses per unit time by each of the plurality of radios.

5. (Currently Amended) A method as defined in claim 1, wherein the communication connection statistic gathered in step (b) comprises the priority of each of the plurality of radios.

6. (Currently Amended) A method as defined in claim 1, wherein the communication connection statistic gathered in step (b) comprises the average received signal strength of each of the plurality of radios.

7. (Original) A method as defined in claim 2, repeating steps (b) through (d) periodically.

8. (Original) A method as defined in claim 1, wherein the two or more groups of radios established in step (a) can access the radio communication system at specified times which are different for each of the two or more groups.

9. (Original) A method as defined in claim 1, wherein step (b) is performed by a radio communication system controller.

10. (Original) A method as defined in claim 1, wherein step (b) is performed by each of the plurality of radios.

11. (Currently Amended) A method for accessing a synchronized radio communication system having a plurality of radios, comprising the steps of:

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- (a) separating the plurality of radios into two or more groups;
  - (b) gathering a communication connection statistic on the plurality of radios;
  - (c) reconfiguring the grouping of radios based on the communication connection statistic gathered in step (b); and
  - (d) allowing access to the radio communication system by each of the two or more groups of radios at different predetermined periods of time.

12. (Original) A method as defined in claim 11, wherein the radio communication system comprises a time division multiple access radio communication system.

13. (Original) A method as defined in claim 11, wherein steps (b) and (c) are repeated periodically.

14. (Currently Amended) A method as defined in claim 11, wherein the communication connection statistic in step (b) is gathered by a central radio communication system resource.

15. (Currently Amended) A method as defined in claim 11, wherein the communication connection statistic in step (b) is gathered by each of the plurality of radios.

16. (Original) A method as defined in claim 11, wherein steps (b) and (c) are performed at predetermined periods of time.

17. (Currently Amended) A method as defined in claim 1, wherein the communication connection statistic gathered in step (b) comprises talk-time associated with each of the plurality of radios.

18. (Currently Amended) A method as defined in claim 11, wherein the communication  
6' connection statistic gathered in step (b) comprises talk-time associated with each of the plurality  
of radios.

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